Photocatalysis (2021-2019)

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1. Laser Synthesis and Microfabrication of Micro/Nanostructured Materials Toward Energy Conversion and Storage (REVIEW)
   Lili Zhao, Zhen Liu, Duo Chen, Fan Liu, Zhiyuan Yang, Xiao Li, Haohai Yu, Hong Liu, Weijia Zhou

   Yunyan Wu, Pan Xiong, Jianchun Wu, Zengliang Huang, Jingwen Sun, Qinqin Liu, Xiaonong Cheng, Juan Yang, Junwu Zhu, Yazhou Zhou

3. Present and Future of Phase-Selectively Disordered Blue TiO₂ for Energy and Society Sustainability (PERSPECTIVE)
   Yongguang Luo, Hyoyoung Lee

   Jun Ke, Fan He, Hui Wu, Siliu Lyu, Jie Liu, Bin Yang, Zhongjian Li, Qinghua Zhang, Jian Chen, Lecheng Lei, Yang Hou, Kostya Ostrikov

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5. Recent Progress, Challenges, and Prospects in Two-Dimensional Photo-Catalyst Materials and Environmental Remediation (REVIEW)
   Karim Khan, Ayesha Khan Tareen, Muhammad Aslam, Rizwan Ur Rehan Sagar, Bin Zhang, Weichun Huang, Asif Mahmood, Nasir Mahmood, Kishwar Khan, Han Zhang, Zhongyi Guo

6. Hybridized Mechanical and Solar Energy-Driven Self-Powered Hydrogen Production (ARTICLE)
   Xuelian Wei, Zhen Wen, Yina Liu, Ningning Zhai, Aimin Wei, Kun Feng, Guotao Yuan, Jun Zhong, Yinghuai Qiang, Xuhui Sun

7. Highly Dispersed RuOOH Nanoparticles on Silica Spheres: An Efficient Photothermal Catalyst for Selective Aerobic Oxidation of Benzyl Alcohol (ARTICLE)
   Qilin Wei, Kiersten G. Guzman, Xinyan Dai, Nuwan H. Attanayake, Daniel R. Strongin, Yugang Sun
   Qiaoran Liu, Hao Tian, Zhenghua Dai, Hongqi Sun, Jian Liu, Zhimin Ao, Shaobin Wang, Chen Han, Shaomin Liu

   Yongpeng Zhao, Jianzhen Wang, Hui Huang, Tianze Cong, Shuaitao Yang, Huan Chen, Jiaqi Qin, Muhammad Usman, Zeng Fan, Lujun Pan

10. Experimental and DFT Studies of Au Deposition Over WO3/g-C3N4 Z-Scheme Heterojunction (ARTICLE)
    Muhammad Humayun, Habib Ullah, Junhao Cao, Wenbo Pi, Yang Yuan, Sher Ali, Asif Ali Tahir, Pang Yue, Abbas Khan, Zhiping Zheng, Qiuyun Fu, Wei Luo

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1. Wet-Chemical Synthesis and Applications of Semiconductor Nanomaterial-Based Epitaxial Heterostructures (REVIEW)
   Junze Chen, Qinglang Ma, Xue-Jun Wu, Liuxiao Li, Jiawei Liu, Hua Zhang

2. Ferroelectric Oxide Nanocomposites with Trimodal Pore Structure for High Photocatalytic Performance (ARTICLE)

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   Y. Zhang, X. Huang, J. Yeom

4. In Situ Preparation and Analysis of Bimetal Co-doped Mesoporous Graphitic Carbon Nitride with Enhanced Photocatalytic Activity (ARTICLE)
   W. Wu, Z. Ruan, J. Li, Y. Li, Y. Jiang, X. Xu, D. Li, Y. Yuan, K. Lin

5. Recent Progress on Engineering Highly Efficient Porous Semiconductor Photocatalysts Derived from Metal–Organic Frameworks (REVIEW)
   W. Zhan, L. Sun, X. Han